

Title (en)

Power supply system for a vehicle with a low voltage distribution network and a high voltage distribution network

Title (de)

Energieversorgungssystem für ein Kraftfahrzeug mit einem Niederspannungsbordnetz und mit einem Höberspannungsbordnetz

Title (fr)

Système d'alimentation pour un véhicule avec un réseau de distribution de bord à tension basse et un réseau de distribution de bord à tension élevée

Publication

EP 1162712 A3 20050706 (DE)

Application

EP 01113154 A 20010530

Priority

DE 10028748 A 20000610

Abstract (en)

[origin: JP2002036979A] PROBLEM TO BE SOLVED: To improve a short circuit characteristic resistance and an electromagnetic field adaptation for an energy supply system, which has a constitution comprising mounted electric circuits for a plurality of voltages. SOLUTION: For the improvement of the energy supply system, at least each minus joint 9 or plus joint 2 for a high output consumption units 4 in the higher voltage mounted electric circuit is connected to each minus joint 19 or plus joint 10 in the lower voltage mounted electric circuit, via a lumped method joint conductor 16 having a controllable switch 17. Also, means 8; 18 for measuring a voltage U1 of the low voltage mounted electric circuit is provided in the energy supply system, and the controllable switch 17 is to be opened when the voltage value of U1 surpasses a prescribed voltage threshold.

IPC 1-7

H02J 7/14

IPC 8 full level

B60R 16/033 (2006.01); **H02H 3/20** (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP US)

H02J 7/1423 (2013.01 - EP US); **H02H 3/202** (2013.01 - EP US)

Citation (search report)

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- [A] US 5164655 A 19921117 - HEAVEY FREDERICK D [US]
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- [A] WITEHIRA P: "INTERLLIGENT AUTOMOTIVE BATTERY SYSTEMS", JOURNAL OF POWER SOURCES, ELSEVIER SEQUOIA S.A. LAUSANNE, CH, vol. 42, no. 1/2, 29 January 1993 (1993-01-29), pages 195 - 209, XP000409225, ISSN: 0378-7753

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1162712 A2 20011212; **EP 1162712 A3 20050706**; **EP 1162712 B1 20121024**; DE 10028748 A1 20011220; DE 10028748 B4 20090604; JP 2002036979 A 20020206; JP 4700841 B2 20110615; US 2002050742 A1 20020502; US 6693368 B2 20040217

DOCDB simple family (application)

EP 01113154 A 20010530; DE 10028748 A 20000610; JP 2001168264 A 20010604; US 87724601 A 20010611